CLAIMS

1. Calco-magnesian aqueous suspension having particles of solid matter with, before being put in suspension, a specific surface area, calculated according to the BET method, which is less than or equal to 10 m^2/g.

2. Suspension according to Claim 1, in which the said particles have a specific surface area calculated according to the BET method which is less than or equal to 8 m^2/g, preferably less than or equal to 5 m^2/g.

3. Suspension according to one of Claims 1 and 2, in which the particles of solid matter comply with the formula:

$$xCa(OH)_2.(1-x)MgO.yH_2O$$

where

$0 < x \leq 1$, and

$y \leq (1-x)$,

x and y being molar fractions.

4. Suspension according to any one of Claims 1 to 3, characterised in that it has a dynamic viscosity less than or equal to 1.2 Pa.s, preferably less than or equal to 1.0 Pa.s.

5. Suspension according to any one of Claims 1 to 4, characterised in that it has a solid matter content greater than 25%, advantageously greater than 40%.

6. Suspension according to any one of Claims 1 to 5, characterised in that it has a d_{98} granulometric dimension of less than 20 microns, preferably equal to or less than 5 microns.

7. Method of preparing a calco-magnesian aqueous suspension according to any one of Claims 1 to 6, characterised in that it comprises a putting into suspension in an aqueous medium of a calco-magnesian solid matter having particles with a specific surface area, calculated according to the BET method, which is less than or equal to 10 m^2/g.